| Ref<br>#   | Hits    | Search Query                 | DBs                                       | Default<br>Operator | Plurals | Time Stamp       |
|------------|---------|------------------------------|---|---------------------|---------|------------------|
| <b>S</b> 1 | 1545761 | sensor detector              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/11/14 13:27 |
| S2         | 2583127 | media medium paper           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/11/14 13:28 |
| <b>S</b> 3 | 2544593 | carriage cartridge mechanism | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/11/14 13:28 |
| S4         | 170879  | S1 and S2 and S3             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | ON      | 2005/11/14 13:28 |
| S5         | 40029   | ("347").CLAS.                | US-PGPUB;<br>USPAT;<br>USOCR              | OR                  | OFF     | 2005/11/14 13:29 |
| S6         | 9497    | S4 and S5                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | OFF     | 2005/11/14 13:30 |
| <b>S7</b>  | 3807539 | parallel perdendicular axis  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | OFF     | 2005/11/14 13:30 |
| S8         | 7098    | S6 and S7                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR .                | OFF     | 2005/11/14 13:31 |
| S9         | 1780201 | shaft                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | OFF     | 2005/11/14 13:31 |
| S10        | 3239    | S8 and S9                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | OFF     | 2005/11/14 13:41 |
| S11        | 849405  | back and forth               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | OFF     | 2005/11/14 13:41 |
| S12        | 1114    | S10 and S11                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR                  | OFF     | 2005/11/14 15:15 |

| S13 | 39414   | printhead (print adj head)<br>(print\$1head)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2005/11/14 13:42 |
|-----|---------|--|---|----|-----|------------------|
| S14 | 39750   | printhead (print adj head)<br>(print\$1head) ((inkjet ink\$1jet (ink<br>adj jet)) adj pen) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2005/11/14 15:13 |
| S15 | 646     | S12 and S14  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2005/11/14 13:45 |
| S16 | 41001   | printhead (print adj head)<br>(print\$1head) ((inkjet ink\$1jet (ink<br>adj jet)) adj pen) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:15 |
| S17 | 653     | S12 and S16  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 13:46 |
| S20 | 1545761 | sensor detector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:11 |
| S21 | 2583127 | media medium paper   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:11 |
| S22 | 2544593 | carriage cartridge mechanism   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:11 |
| S23 | 170879  | S20 and S21 and S22  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:11 |
| S24 | 40029   | ("347").CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2005/11/14 15:11 |
| S25 | 9497    | S23 and S24  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2005/11/14 15:11 |
| S26 | 3807539 | parallel perdendicular axis  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2005/11/14 15:11 |
| S27 | 7098    | S25 and S26  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2005/11/14 15:12 |

| S28 | 1780201 | shaft   | US-PGPUB;                                 | OR   | OFF | 2005/11/14 15:11 |
|-----|---------|---|---|------|-----|------------------|
|     |         |   | USPAT;<br>USOCR;<br>EPO; JPO              |      |     |                  |
| S29 | 3239    | S27 and S28   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | OFF | 2005/11/14 15:11 |
| S30 | 849405  | back and forth  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | OFF | 2005/11/14 15:11 |
| S31 | 1114    | S29 and S30   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | OFF | 2005/11/14 15:12 |
| S35 | 127097  | (sensor detecting sensing detector) with (media medium paper)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON  | 2005/11/14 15:14 |
| S36 | 18516   | S35 and S30   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | OFF | 2005/11/14 15:15 |
| S37 | 41001   | printhead (print adj head)<br>(print\$1head) ((inkjet ink\$1jet (ink<br>adj jet)) adj pen)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON  | 2005/11/14 15:15 |
| S38 | 1580    | S37 and S36   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON  | 2005/11/14 15:15 |
| S40 | 221889  | (media medium paper) with (position location)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR . | OFF | 2005/11/14 15:16 |
| S41 | 750     | S24 and S40 and S38   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON  | 2005/11/14 15:17 |
| S42 | 676     | S41 and (inkjet ink\$1jet (ink adj<br>jet))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON  | 2005/11/14 15:18 |
| S45 | 2776    | cartridge and (printhead (print adj<br>head)) and roller and (inkjet<br>ink\$1jet (ink adj jet)) and (sensor<br>detector) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR   | ON  | 2005/11/14 15:28 |

| S46 | 31     | (cartridge and (printhead (print adj<br>head)) and roller and (inkjet<br>ink\$1jet (ink adj jet))) same ((media<br>medium paper) with (sensor<br>detector sensing detecting)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:24 |
|-----|--------|---|---|----|-----|------------------|
| S49 | 18611  | ((media medium paper) with (position\$3 location\$3)) with (sensor detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 17:00 |
| S50 | 663    | S45 and S49   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:45 |
| S51 | 550    | S50 and (shaft rail belt)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:50 |
| S52 | 122907 | (shaft rail belt) with (sensor detector detecting sensing)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 15:49 |
| S54 | 174    | S51 and S52   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/14 16:53 |
| S55 | 47608  | (media medium paper substrate)<br>adj4 (sensor detector detectimg<br>sensing)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 10:51 |
| S56 | 40054  | ("347").CLAS.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2005/11/15 10:51 |
| S57 | 2723   | S55 and S56   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 10:51 |
| S58 | 18623  | ((media medium paper) with (position\$3 location\$3)) with (sensor detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 10:52 |
| S59 | 122944 | (shaft rail belt) with (sensor detector detecting sensing)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 10:52 |
| S60 | 306    | S58 and S57 and S59   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 12:45 |
| S61 | 3831   | (347/19,104,105).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2005/11/15 12:43 |

| S63 | 47608  | (media medium paper substrate)<br>adj4 (sensor detector detectimg<br>sensing)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 12:44 |
|-----|--------|---|---|----|-----|------------------|
| S64 | 669    | S63 and S61   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 12:44 |
| S65 | 18623  | ((media medium paper) with (position\$3 location\$3)) with (sensor detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 12:45 |
| S66 | 122944 | (shaft rail belt) with (sensor detector detecting sensing)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 12:45 |
| S68 | 84     | S65 and S64 and S66   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 12:42 |
| S69 | 6      | US-6218660-\$.DID. OR<br>US-6189991-\$.DID. OR<br>US-6271869-\$.DID. OR<br>US-6788322-\$.DID. OR<br>US-6456310-\$.DID. OR<br>US-6340984-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 17:04 |
| S70 | 2      | US-6412907-\$.DID. OR<br>US-6607458-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/15 17:04 |
| S71 | 4      | (("20020037191") or<br>("20020097291") or ("6412907") or<br>("5940105")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2005/11/16 10:47 |
| S72 | 3831   | (347/19,104,105).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2005/11/16 12:42 |
| S73 | 47608  | (media medium paper substrate)<br>adj4 (sensor detector detectimg<br>sensing)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 13:52 |
| S74 | 669    | S73 and S72   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 12:42 |
| S75 | 18623  | ((media medium paper) with (position\$3 location\$3)) with (sensor detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 16:59 |

| S76 | 122944 | (shaft rail belt) with (sensor detector detecting sensing)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 14:03 |
|-----|--------|---|---|----|-----|------------------|
| S77 | 84     | S75 and S74 and S76   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 13:52 |
| S78 | 50     | S77 and pattern   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 12:42 |
| S79 | 92831  | pattern with (sensing detecting sensor detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 13:00 |
| S80 | 22     | S77 and S79   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 13:00 |
| S81 | 405476 | (pattern image) same (sensing detecting sensor detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 13:00 |
| S82 | 276583 | (pattern image) with (sensing detecting sensor detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 13:00 |
| S83 | 66     | S77 and S81   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 13:00 |
| S84 | 58     | S77 and S82   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 13:48 |
| S85 | 4769   | ((250/559.01) or (250/599.19) or (399/45) or (358/488) or (347/105) or (347/19) or (347/104)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2005/11/16 14:01 |
| S86 | 4685   | S85 not S77   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON  | 2005/11/16 14:04 |